

# NATIONAL SOLAR OBSERVATORY

## Daily Sunspot Data From Automated Analysis

USAF OSPaN 630.315nm image

CLOUDS: Ukn

CONDITION: Excellent

OBSERVER: *TWH*

Irradiance reduction due to sunspot  
blocking = 0.17% at 630.315nm

**22 Oct 03**  
**14:30:11 UT**

GROUPS: 5

SPOTS: 17

R-NUMBER: 67

TOTAL SPOT AREA: 2798  $\mu$

THRESHHOLD: 0.92

